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Dispatch Routines Provided by a HID Minidriver

> > > > > > Interactive Input Devices: Windows DDK Dispatch Routines
 Provided by a HID Minidriver A HID minidriver must supply the following dispatch routines:
 create,
http://msdn.microsoft.com/library/en-us/intinput/hh/intinput/hidclass_1x9j.asp

Writing a Stream Minidriver (Streaming Devices (Video and Audio): Windows DDK)

The main design goal of the stream class driver is to handle the work both of handling the operating system, which includes the intricacies of supporting multiprocessor machines, and of supporting kernel streaming semantics.
http://msdn.microsoft.com/library/en-us/stream/hh/stream/strmini-design_8ppj.asp

HID Minidriver AddDevice Routine

> > > > > > Interactive Input Devices: Windows DDK HID Minidriver AddDevice Routine The HID class driver handles creating and initializing the functional device object (
http://msdn.microsoft.com/library/en-us/intinput/hh/intinput/hidclass_4a3r.asp

Registering a HID Minidriver

> > > > > > Interactive Input Devices: Windows DDK Registering a HID Minidriver After a HID minidriver completes all other driver initialization in its routine, the HID minidriver binds
http://msdn.microsoft.com/library/en-us/intinput/hh/intinput/hidclass_5413.asp

Stream Class and Minidriver Interface (Streaming Devices (Video and Audio): Windows DDK)

The stream class interface is primarily a set of function calls between the class driver and the minidriver. The class controls the request flow, calling the adapter minidriver when access to the adapter hardware is necessary.
http://msdn.microsoft.com/library/en-us/stream/hh/stream/strmini-design_4lgn.asp

Communicating with a HID Minidriver

> > > > > > Interactive Input Devices: Windows DDK Communicating with a HID Minidriver The HID class communicates with a HID minidriver by calling the HID minidriver's , , and
http://msdn.microsoft.com/library/en-us/intinput/hh/intinput/hidclass_9zc7.asp

Initializing a Mouse Minidriver (Windows 98/Me: Windows DDK)

Information about a mouse device is stored in the SOFTWARE section of the registry. One of the entries in the registry is the statement mousedriver=name.vxd, where name is the name of a mouse minidriver.
http://msdn.microsoft.com/library/en-us/w98ddk/hh/w98ddk/mouse_9ywo.asp

Operation of a HID Minidriver

> > > > > > Interactive Input Devices: Windows DDK Operation of a HID Minidriver A HID minidriver abstracts the operation of a hardware bus or port that an input device is attached to. After the HID minidriver is initialized, the class driver calls the minidriver's http://msdn.microsoft.com/library/en-us/intinput/hh/intinput/hidclass_17zb.asp

HID Minidriver DriverEntry Routine

> > > > > > Interactive Input Devices: Windows DDK HID Minidriver DriverEntry Routine The routine initializes the minidriver and does the following: Creates a driver object

1 2

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http://msdn.microsoft.com/library/en-us/intinput/hh/intinput/hidclass_5fon.asp

Initializing a BDA Minidriver (Streaming Devices (Video and Audio): Windows DDK)

A BDA minidriver is initialized similarly to other AVStream minidrivers.

http://msdn.microsoft.com/library/en-us/stream/hh/stream/bdadg_0alj.asp

Minidriver Synchronization (Streaming Devices (Video and Audio): Windows DDK)

Streaming minidriver developers have the option of allowing the class driver to handle synchronization.

http://msdn.microsoft.com/library/en-us/stream/hh/stream/strmini-design_48x3.asp

Standard Driver Routines Provided by a HID Minidriver

> > > > > > Interactive Input Devices: Windows DDK Standard Driver Routines Provided by a HID Minidriver
HID minidriver must provide the following standard driver support routines: A

http://msdn.microsoft.com/library/en-us/intinput/hh/intinput/hidclass_4y7b.asp

HID Minidriver Driver Extension

> > > > > > Interactive Input Devices: Windows DDK HID Minidriver Driver Extension
A HID minidriver extension is device-specific, and is only used by a . The HID class driver

http://msdn.microsoft.com/library/en-us/intinput/hh/intinput/hidclass_8mjr.asp

Initializing an AVStream Minidriver (Streaming Devices (Video and Audio): Windows DDK)

An AVStream minidriver that does not handle device initialization on its own calls KsInitializeDriver from the min DriverEntry routine.

http://msdn.microsoft.com/library/en-us/stream/hh/stream/avsover_8yhz.asp

Minidriver Initialization (Streaming Devices (Video and Audio): Windows DDK)

When the operating system first initializes the minidriver, it calls the minidriver's DriverEntry routine. See Driver Stream Class Minidrivers.

http://msdn.microsoft.com/library/en-us/stream/hh/stream/strmini-design_3jfr.asp

Starting UniTool and Creating a Minidriver (Windows 98/Me: Windows DDK)

Each time before you run the UniTool application, you must make sure the LIB and INCLUDE environment variables have the values you need to run UniTool.

http://msdn.microsoft.com/library/en-us/w98ddk/hh/w98ddk/printer_0qwg.asp

Starting UniTool and Creating a Minidriver (Windows 98/Me: Windows DDK)

Once you have installed the files, you can start UniTool and begin creating a minidriver.

http://msdn.microsoft.com/library/en-us/w98ddk/hh/w98ddk/setup_494i.asp

Minidriver Flow of Control (Streaming Devices (Video and Audio): Windows DDK)

The following set of steps is typically followed in initializing, using, and uninitializing streaming minidrivers. The referenced commands and structures are described elsewhere in this documentation.

http://msdn.microsoft.com/library/en-us/stream/hh/stream/strmini-design_325j.asp

Initializing and Calling IDE Minidriver Routines (System Support for Buses: Windows DDK)

All IDE controller minidrivers must provide a series of standard routines that implement hardware-specific functions.

The following figure illustrates how an IDE controller minidriver makes its routines available to the controller driver.

http://msdn.microsoft.com/library/en-us/buses/hh/buses/ide_minikg_8jea.asp

DriverEntry of IDE Controller Minidriver (System Support for Buses: Windows DDK)

[This is preliminary documentation and subject to change.] DriverEntry initializes the minidriver.

http://msdn.microsoft.com/library/en-us/buses/hh/buses/ide_minikr_014i.asp

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